Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	13	dent with metal$3 with chamber with (layer plate surface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 15:02
L2	63793	"347"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 15:02
L3	0	1 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 15:02
S1	736	29/890.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:59
S2	1977	347/56,70,71,73.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 07:56
S3	73856	(pressure with (room cavity chamber)) with (layer plate laminate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:04
S4	0	S1 same S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 07:58
S5	0	S1 with S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 07:58

S6	117	S1 and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 07:58
S7	39	S3 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 07:59
S8	14611	((forg$3 work$3 ductile) with (metal)) same (dent impression groove punch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:01
S9	214	S3 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:01
S10	1498	((forg$3 work$3 ductile) with (metal)) same (dent impression groove punch) same (stress strain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:01
S11	32	S3 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:01
S12	0	("2004/0107759").URPN.	USPAT	OR	ON	2005/03/31 08:04
S13	630	(pressure with (room cavity chamber)) with (layer plate laminate) with (stress strain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:05
S14	29	S2 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:04

S15	21	(pressure with (room cavity chamber)) with (layer plate laminate) with (stress strain) with (dent impression groove impression pit indentation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:07
S16	48	(pressure with (room cavity chamber)) with (layer plate laminate) with (stress strain) same (dent impression groove impression pit indentation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:07
S17	242	(pressure with (room cavity chamber)) with (layer plate laminate) same (stress strain) same (dent impression groove impression pit indentation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:13
S18	4	S2 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:11
S19	2	"20040112109"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:12
S20	10	S2 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:15
S21	1	S1 and S2 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:15
S22	3	S1 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:16

S23	60952	"347"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:16
S24	32	S8 and S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:16
S25	22	("3747120" | "3988745" | "4216477" | "4266232" | "4312010" | "4367479" | "4367480" | "4435721" | "4455560" | "4460906" | "4521788" | "4525728" | "4528575" | "4584590" | "4599628" | "4605939" | "4635079" | "4665409" | "4680595" | "4727378" | "4835554" | "4947184").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/31 08:20
S26	49	("5087930").URPN.	USPAT	OR	ON	2005/03/31 08:26
S27	25403	(pressure with (room cavity chamber)) with (dent impression groove impression pit indentation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:42
S28	463	S23 and S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:41
S29	4527079	planar flat parallel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:41
S30	331	S28 and S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:42
S31	1537	(pressure with (room cavity chamber)) with (dent impression pit indentation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:56

S32	20	S23 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:43
S33	7	("4047184" | "4216477" | "4312008" | "4600934" | "4999650" | "5096535" | "5471232").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/31 08:49
S34	7	("5956058").URPN.	USPAT	OR	ON	2005/03/31 08:50
S35	226	((pressure with (room cavity chamber)) with (dent impression pit indentation)) same (planar flat parallel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:59
S36	3	S35 and S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 08:58
S37	6359	(pressure with (room cavity chamber)) with (stress strain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:20
S38	125	S23 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:00
S39	403153	(pressure with (room cavity chamber plate)) with (nozzle (layer plate laminate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:21
S40	44533	((pressure with (room cavity chamber plate)) with (nozzle (layer plate laminate))) same (cte warp$3 flat$2 coplanar dent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:24
S41	562	S23 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:22

S42	17151	((pressure with (room cavity chamber plate)) with (nozzle (layer plate laminate))) with (cte warp$3 flat$2 coplanar dent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:25
S43	363	S23 and S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:24
S44	16991	((pressure with (room cavity chamber plate)) with (nozzle (layer plate laminate))) with (warp$3 flat$2 coplanar)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:25
S45	362	S23 and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:25
S46	87	S2 and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:25
S47	736	29/890.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:47
S48	1977	347/56,70,71,73.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:28
S49	60952	"347"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:29

S50	10453	((cavity room chamber) with (form$3 work$3 roll$3)) with (nozzle with (plate layer metal))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:31
S51	550	S48 and S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:31
S52	906	((cavity room chamber) with (form$3 work$3 roll$3)) with (nozzle with (plate layer metal)) with (flat parallel warp$3 coplaner alignment)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:32
S53	55	S48 and S52	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:42
S54	37068	(nickle metal$3 ductl$3) with ((nozzle chamber) with (plate layer substrate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:45
S55	1289	S49 and S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:45
S56	79	(nickle metal$3 ductl$3) with ((nozzle chamber) with (plate layer substrate)) with (dent indentation pit knurl)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:47
S57	1	S49 and S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:47

S58	0	S47 and S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:47
S59	237	S47 and ink$2jet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:47
S60	1217815	(nickle metal$3 ductl$3) with (plate layer substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:48
S61	1257	((nickle metal$3 ductl$3) with (plate layer substrate)) with ink$3jet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:48
S62	383	S49 and S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:49
S63	32	S47 and S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 09:49
S64	2964	347/68-73.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:12
S65	40	(pressure near4 (plate layer laminate)) with (nozzle near4 (plate layer laminate)) with alignment	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:17

S66	8256	(pressure near4 (plate layer laminate)) with (dent impression (blind near2 hole) depression via)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:19
S67	109	S64 and S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:18
S68	3320	((pressure near4 (plate layer laminate)) with (dent impression (blind near2 hole) depression via)) and metal$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:19
S69	94	S64 and S68	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:23
S70	365	((pressure near4 (plate layer laminate)) with (dent impression (blind near2 hole) depression via)) with metal$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:21
S71	1	S64 and S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:20
S72	797	((pressure near4 (plate layer laminate)) with (dent impression (blind near2 hole) depression via)) same metal$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:44
S73	2	S64 and S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:21

S74	60952	"347"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:21
S75	5	S72 and S74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:22
S76	1520	((pressure near4 (plate layer laminate)) with (dent impression (blind near2 hole) depression via recess)) same metal$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:49
S77	7	S64 and S76	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:45
S78	5247	((pressure same (plate layer laminate)) with (dent impression (blind near2 hole) depression via recess)) same metal$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:54
S79	25	S64 and S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:49
S80	1021939	(plate layer laminate surface) with (dent impression (blind near2 hole) depression via recess)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:55
S81	105940	(plate layer laminate surface) with (dent impression (blind near2 hole) depression via recess) same (nozzle chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:57

S82	531	S64 and S81	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:56
S83	56466	(plate layer laminate surface) with (dent impression (blind near2 hole) depression via recess) with (nozzle chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:57
S84	471	S64 and S83	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 10:57
S85	2528	(plate layer laminate surface) with (dent impression (blind near2 hole) depression via recess) with (nozzle chamber) with metal$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 13:28
S86	27	S64 and S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 13:13
S87	60952	"347"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 13:27
S88	85017	(plate layer laminate surface) with (dent impression (blind near2 hole) depression via recess) with metal$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 13:28
S89	86406	(plate layer laminate surface) with (dent impression (blind near2 hole) depression via recess) with (metal$3 nickel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:14

S90	633	S87 and S89	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 13:29
S91	311	S90 and piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 13:29
S92	1393	(plate layer laminate surface) with (dent impression (blind near2 hole) depression via recess) with (metal$3 nickel) with (expan$4 contract$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 13:31
S93	4	S87 and S92	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 13:30
S94	12057	(plate layer laminate surface) with (dent impression (blind near2 hole) depression via recess) same (metal$3 nickel) same (expan$4 contract$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 13:31
S95	83	S87 and S94	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 09:06
S96	292	pressure adj chamber adj (layer sheet laminat$3 surface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 13:39
S97	65	S87 and S96	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 13:40

S98	736	29/890.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:13
S99	5530	347/40,47,56,68-73.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:13
S10 0	1147966	(plate layer surface) with (dent impression (blind near2 hole) depression via recess$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:36
S10 1	80461	(plate layer surface) with (dent impression (blind near2 hole) depression via recess$3) with (chamber room cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:15
S10 2	623	S99 and S101	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:15
S10 3	4455	(plate layer surface) with (dent impression (blind near2 hole) depression via recess$3) with (chamber room cavity) with (metal$3 ni nickel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:18
S10 4	7	S98 and S103	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:16
S10 5	10643	(plate layer surface) with (dent impression (blind near2 hole) depression via recess$3) with (chamber room cavity) same (metal$3 ni nickel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:35

S10 6	8	S98 and S105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:20
S10 7	73	S99 and S105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:31
S10 8	0	"10644066".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:32
S10 9	4	"644066".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:32
S11 0	36826	(dent impression (blind near2 hole) depression via recess$3) with (chamber room cavity) same (metal$3 ni nickel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:35
S11 1	97148	(plate layer surface) with (dent impression (blind near2 hole) depression via recess$3) with (metal$3 ni nickel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:37
S11 2	156	S99 and S111	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:36
S11 3	51071	(plate layer surface) with (dent impression (blind near2 hole) depression recess$3) with (metal$3 ni nickel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:56

S114	62	S99 and S113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:37
S115	5294	(plate layer) with (dent impression (blind near2 hole) depression) with (metal$3 ni nickel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:57
S116	2	S99 and S115	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:57
S117	60952	"347"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:58
S118	31	S115 and S117	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 08:58
S119	2	"6422690".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 09:06
S120	12	("3747120" | "3946398" | "3988745" | "4312010" | "4353078" | "4383264" | "4599628" | "4825227" | "4937597" | "5719604" | "5757400" | "5828394").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/01 09:06
S121	1	("6422690").URPN.	USPAT	OR	ON	2005/04/01 09:08
S122	1	1999-105870.NRAN.	DERWENT	OR	ON	2005/04/01 09:09
S123	41345	(ni nickel) with (advantage benefit propert$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 10:13

S12 4	52	S99 and S123	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 10:12
S12 5	124	(ni nickel) with (advantage benefit propert$3) same piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 10:13
S12 6	8	S99 and S125	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 10:13
S12 7	2	"6422690".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/04 07:37
S12 8	2	"6045215".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/04 08:47
S12 9	588	347/70.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:50
S13 0	657	347/71.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 10:53
S13 1	4777320	metal$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:51

S13 2	310	S129 and S131	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:52
S13 3	3374781	(forg$3 work$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:55
S13 4	104	S132 and S133	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:53
S13 5	1	jp-55014283-$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:54
S13 6	2	jp-2000263799-$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:54
S13 7	16764017	(forg$3 work$3 form$3 press$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:55
S13 8	2063386	(forg$3 work$3 form$3 press$3) with metal$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:55
S13 9	558	S129 and S137	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:56

S140	231	S129 and S138	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:56
S141	10	("5604522").URPN.	USPAT	OR	ON	2005/10/25 10:05
S142	5	("4574445" | "4846747" | "5008689" | "5604522" | "5963234").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 10:06
S143	1	("6666547").URPN.	USPAT	OR	ON	2005/10/25 10:29
S144	57	Akahane.in. and seiko.as.	USPAT	OR	ON	2005/10/25 10:29
S145	28815	"347"/$.ccls.	USPAT	OR	ON	2005/10/25 10:29
S146	24	S144 and S145	USPAT	OR	ON	2005/10/25 10:29
S147	122606	"29"/$.ccls.	USPAT	OR	ON	2005/10/25 10:29
S148	0	S144 and S147	USPAT	OR	ON	2005/10/25 10:29
S149	2729	347/68,70,71.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 10:42
S150	389	S130 and metal$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 10:53
S151	12	("5710584").URPN.	USPAT	OR	ON	2005/10/25 12:53
S152	1	("6019458").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:11
S153	394	(stress with balanc$3) same (metal with (plate layer substrate))	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:14
S154	39831	"347"/$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:12
S155	488	29/890.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:12

S156	0	S153 and S155	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:12
S157	2	S153 and S154	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:12
S158	661	(stress with balanc$3) same (metal same (plate layer substrate))	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:19
S159	2	S154 and S158	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:14
S160	0	S155 and S158	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:14
S161	1046	(stress same balanc$3) same (metal with (plate layer substrate))	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:14
S162	2	S154 and S161	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:14
S163	28351	stress same (metal with (plate layer substrate))	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:15
S164	284	S154 and S163	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:15
S165	20	S155 and S163	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:17
S166	194469	stress same (balanc$3 reduc$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:18
S167	135731	(stress strain) with (balanc$3 reduc$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:18
S168	947	S154 and S167	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:18
S169	659631	(metal with (plate layer substrate))	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:20
S170	563	S168 and S169	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:19
S171	43177	(metal with (plate layer substrate)) same (dent knurl groove)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:22

S17 2	407	S154 and S171	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:21
S17 3	2670388	S172 pressure	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:21
S17 4	321	S172 and pressure	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:21
S17 5	144	S172 and (pressure with chamber)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:21
S17 6	5208	(metal with (plate layer substrate)) same (dent knurl indentation indent)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:22
S17 7	22	S154 and S176	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:22
S17 8	673	akahane.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:26
S17 9	63760	"347"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:26
S18 0	44	S178 and S179	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:31
S18 1	509	(pressure with chamber) with (indentation press43 indent dent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:32
S18 2	598292	(pressure with chamber) with (indentation press$3 indent dent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:32

S18 3	7330	S179 and S182	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:32
S18 4	72592	(pressure with chamber) with ((plate layer substrate) with (indentation press$3 indent dent))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:34
S18 5	2985	347/68-72.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:33
S18 6	1073	S184 and S185	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:33
S18 7	657	347/71.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:33
S18 8	325	S184 and S187	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:33
S18 9	60	(pressure with chamber) with ((plate layer substrate) with (indentation indent dent))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:38
S19 0	275	(stress strain) with ((plate layer substrate) with (indentation indent dent))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:46

S19 1	3	S179 and S190	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:39
S19 2	16	("4509063" | "4521787" | "4666823" | "4675083" | "4698645" | "5126768" | "5218376" | "5685074" | "5774150" | "5808641" | "5948290" | "5988786" | "6135586" | "6155673" | "6155677" | "6220697").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 13:41
S19 3	229131	((plate layer substrate) with (indentation indent dent form knurl)) and (stress strain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:45
S19 4	2747	S179 and S193	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:45
S19 5	2143	S194 and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:45
S19 6	914	(stress strain) same ((plate layer substrate) with (indentation indent dent))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:46
S19 7	2502	(stress strain) same ((plate layer substrate) same (indentation indent dent))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:46
S19 8	782	29/890.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:46

S199	0	S197 and S198	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:46
S200	1	S185 and S197	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:53
S201	16442	(depression dint gouge hollow incision indent indentation nick notch pit slit) with (pressure near4 chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:54
S202	19229	(depression dint gouge hollow incision indent indentation nick notch pit slit) with ((nozzle pressure) near4 chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 14:17
S203	280	S179 and S202	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:55
S204	5444	S202 and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:55
S205	181	S203 and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 13:55
S206	2	("4358776" | "5017941").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 14:00
S207	137382	(seiko and epson).as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 14:02

S208	3749	S179 and S207	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 14:03
S209	10	S208 and dent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 14:05
S210	982	S208 and metal$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 14:05
S211	183	S210 and (stress strain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 14:05
S212	2537822	(depression dint gouge hollow incision indent indentation nick notch pit slit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 14:20
S213	5	("5685074" "5988786" "6135586" "6561634" "6328434").pn.	USPAT	OR	ON	2005/10/25 14:21
S214	10	("5066357" | "5278584" | "5291226" | "5305018" | "5312517" | "5350616" | "5378137" | "5453769" | "5467115" | "5847725").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/25 14:22